

## CLAIMS

1. A lift type weight measuring apparatus, comprising:  
an upper sensing plate to move upwards, thus spatially isolating a measurement object;  
5 weight sensing means provided under the upper sensing plate to sense a weight of the measurement object seated on the upper sensing plate;  
lift means to move both the upper sensing plate and the weight sensing means vertically; and  
control means to control an operation of the lift means and to measure the weight of  
10 the measurement object using a weight sensing signal output from the weight sensing means.
2. The lift type weight measuring apparatus according to claim 1, further comprising:  
lift guide means to guide vertical movement of the lift means.
3. The lift type weight measuring apparatus according to claim 1 or 2, further comprising:  
15 position sensing means to sense a predetermined higher position and a predetermined lower position of the upper sensing plate, wherein the control means controls the operation of the lift means using a sensing signal output from the position sensing means.

**AMENDED CLAIMS**

[received by the International Bureau on 20 April 2005 (20.04.2005);  
claims 1-2-amended, claim 3 deleted]

**What Is Claimed Is:**

1. A centrifuge, comprising: a centrifugal motor; a rotor coupled to an output shaft of the centrifugal motor; and a rotor lever mounted to the rotor to rotatably support a bucket containing a sample therein, wherein the centrifuge further  
5 comprises:

an upper sensing plate provided below a rotating track of the bucket, the upper sensing plate moving upwards to spatially isolate the bucket;

weight sensing means provided under the upper sensing plate to sense a weight of the bucket seated on the upper sensing plate;

10 position sensing means to sense a predetermined high position and a predetermined low position of the upper sensing plate;

lift means to move both the upper sensing plate and the weight sensing means vertically; and

control means to control an operation of the centrifugal motor; to control the  
15 lift means using a signal output from the position sensing means, and to determine the weight of the bucket using a signal output from the weight sensing means.

2. The centrifuge according to claim 1, further comprising:

lift guide means to guide vertical movement of the lift means.